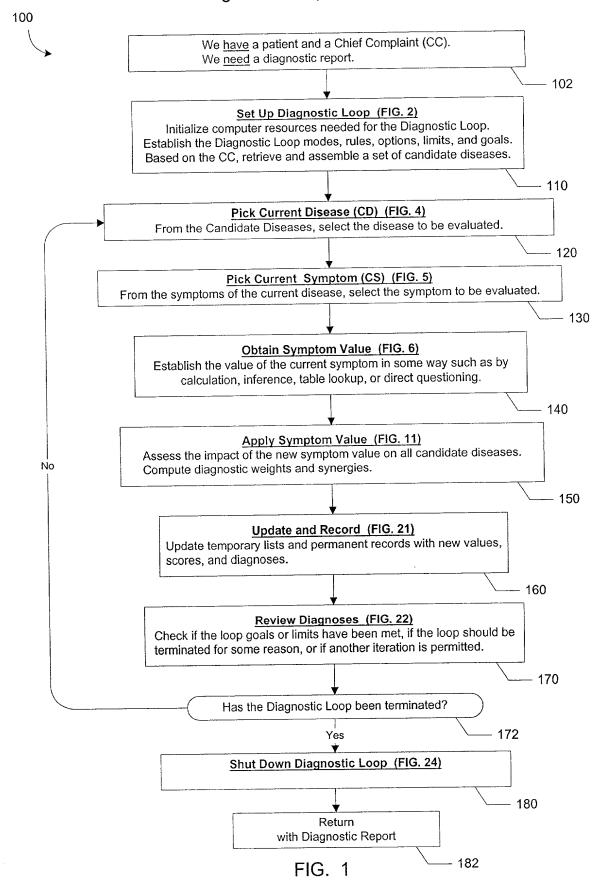
#### Diagnostic Loop Overview



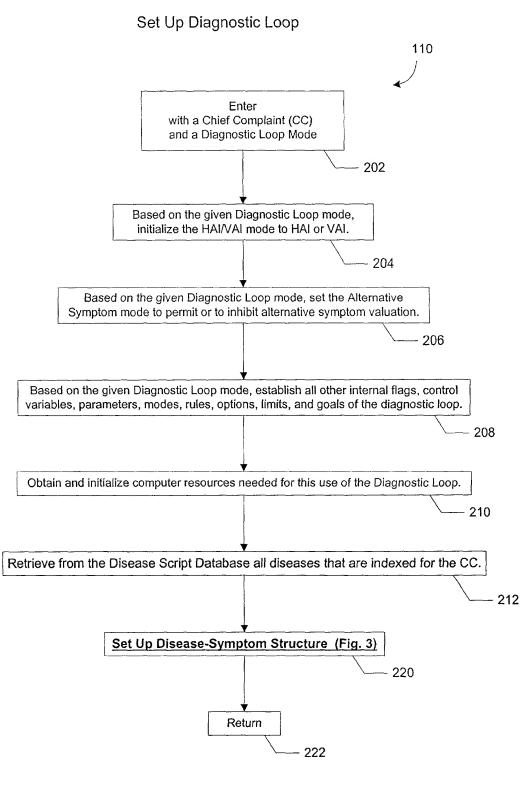


FIG. 2

#### Set Up Disease-Symptom Structure

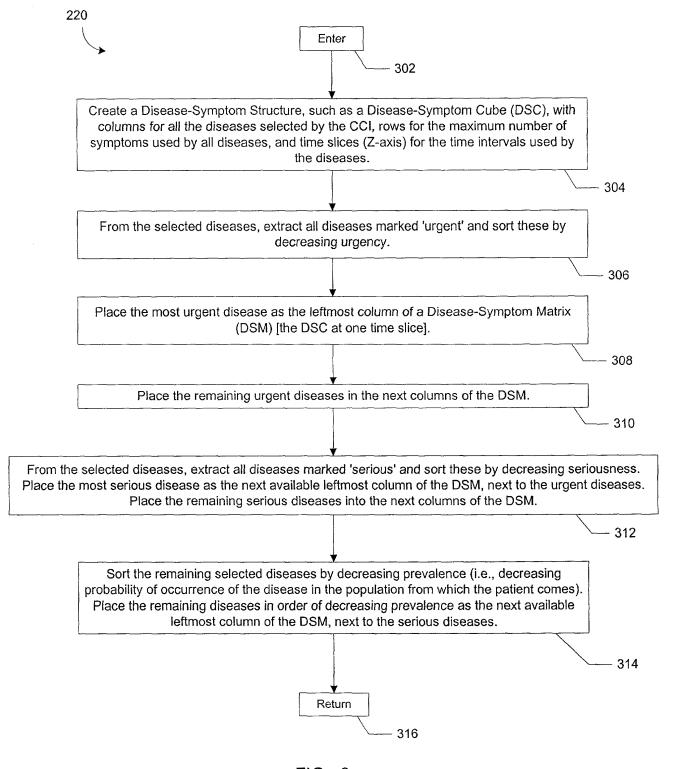


FIG. 3

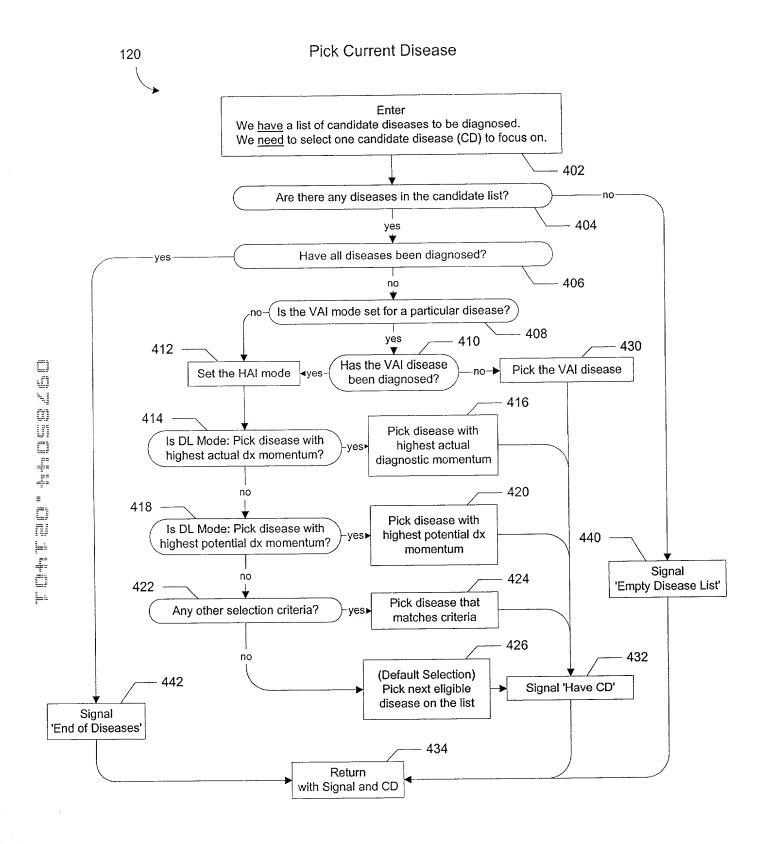


FIG. 4

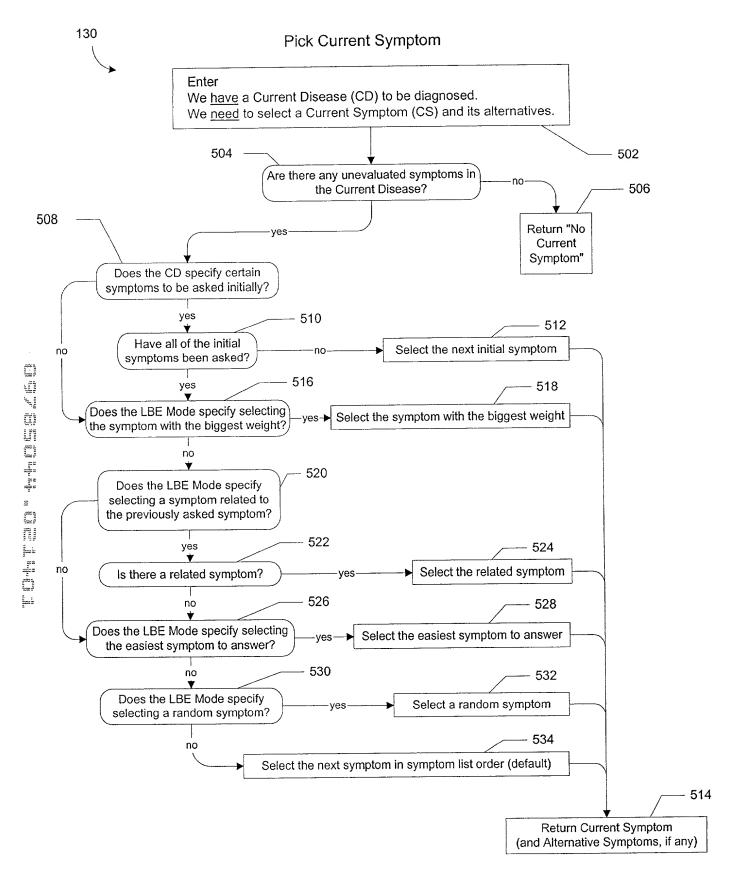


FIG. 5

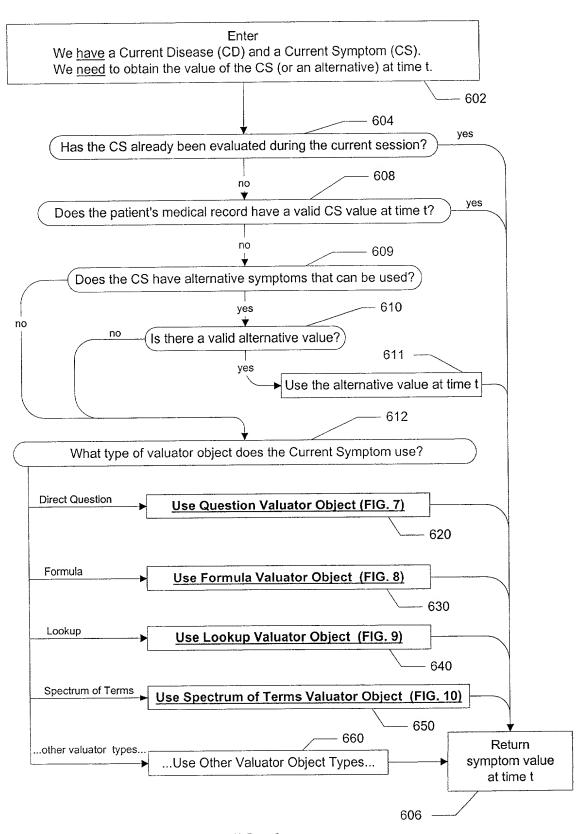


FIG. 6

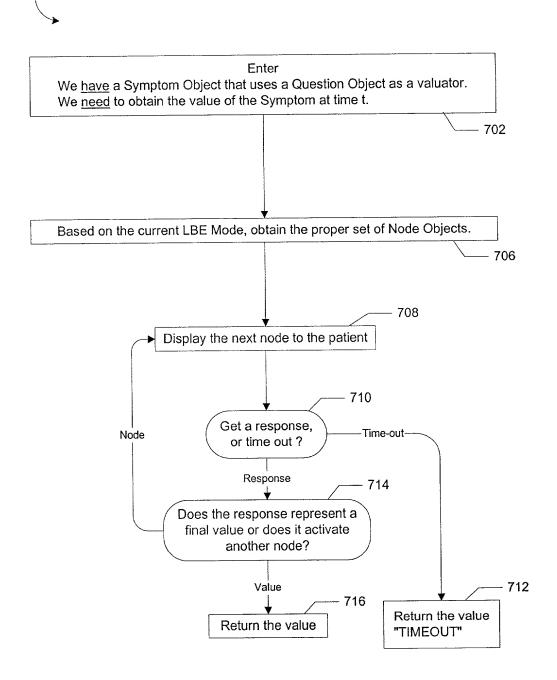


FIG. 7

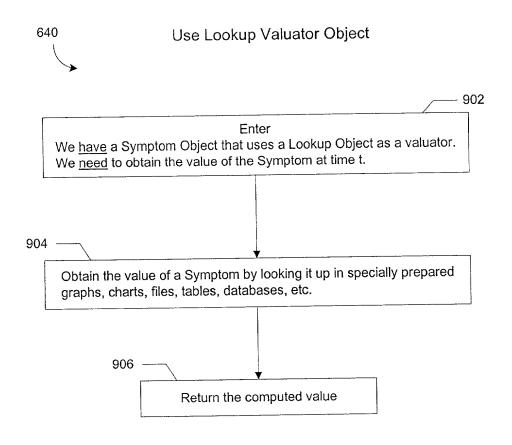


FIG. 9

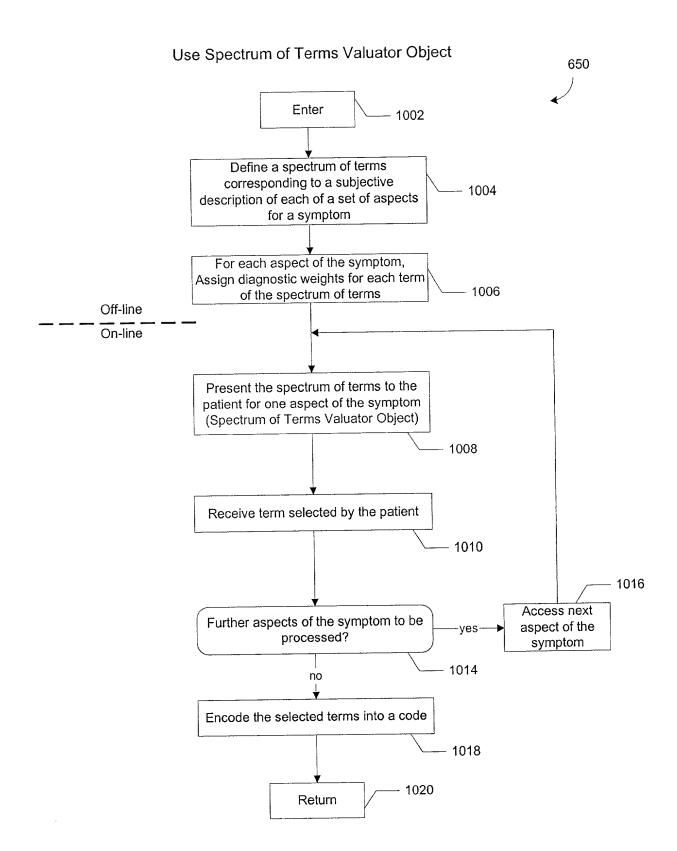
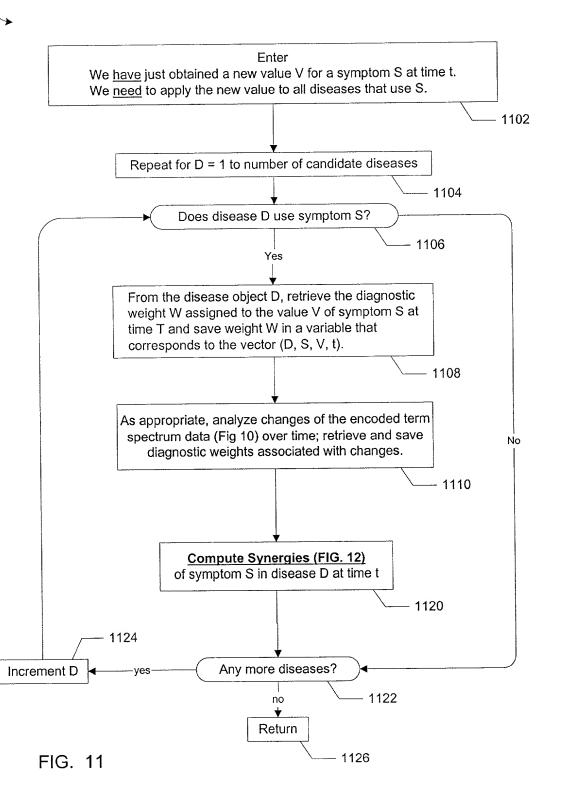


FIG. 10



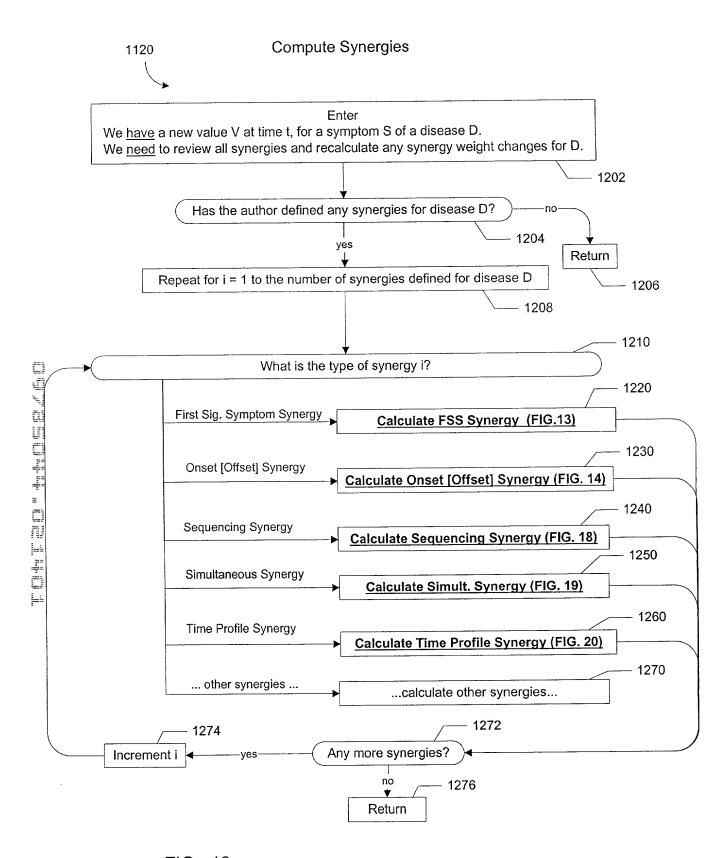


FIG. 12

1220

#### Calculate First Significant Symptom (FSS) Synergy

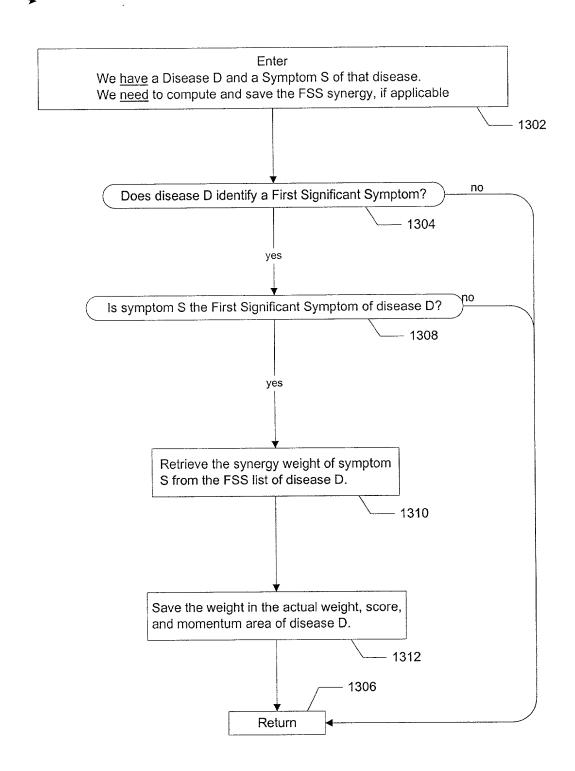


FIG. 13

#### Calculate Onset [Offset] Synergy

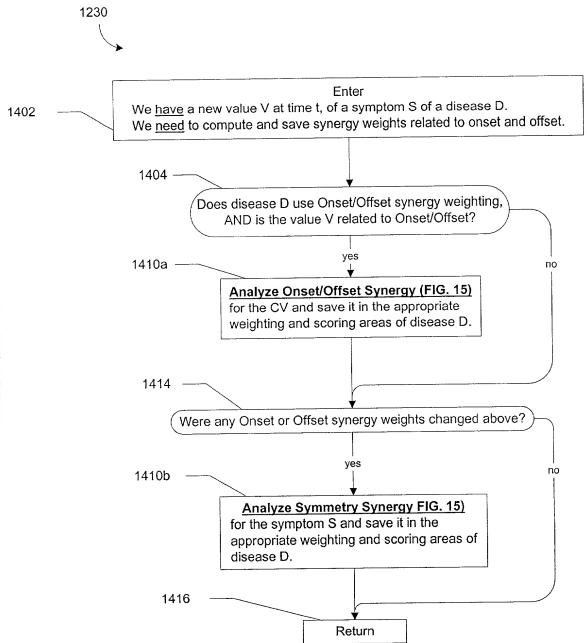


FIG. 14

# Analyze Onset [Offset] Synergy

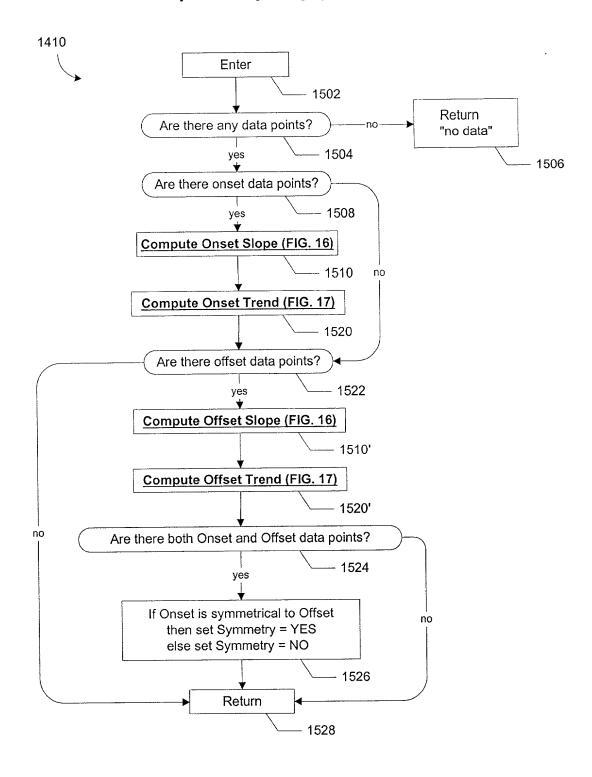


FIG. 15

# Compute Onset [Offset] Slope

1510

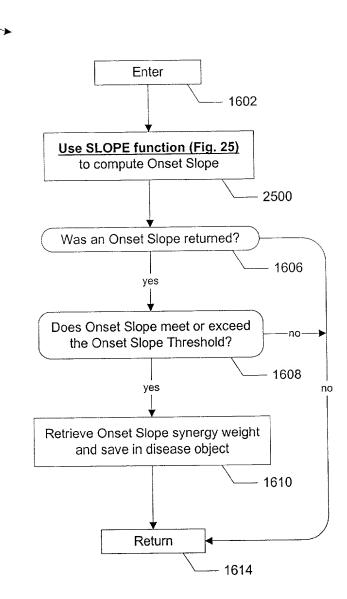


FIG. 16

# Compute Onset [Offset] Trend

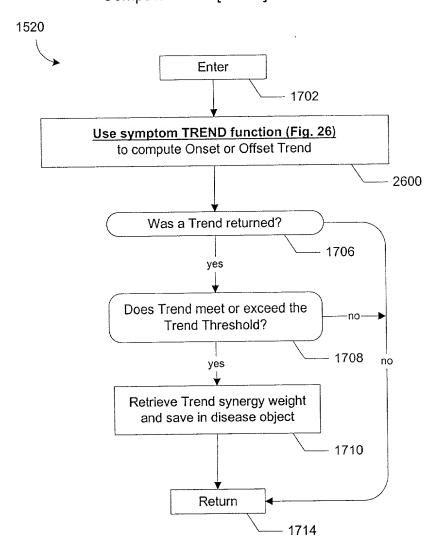


FIG. 17

# Calculate Sequence Synergy

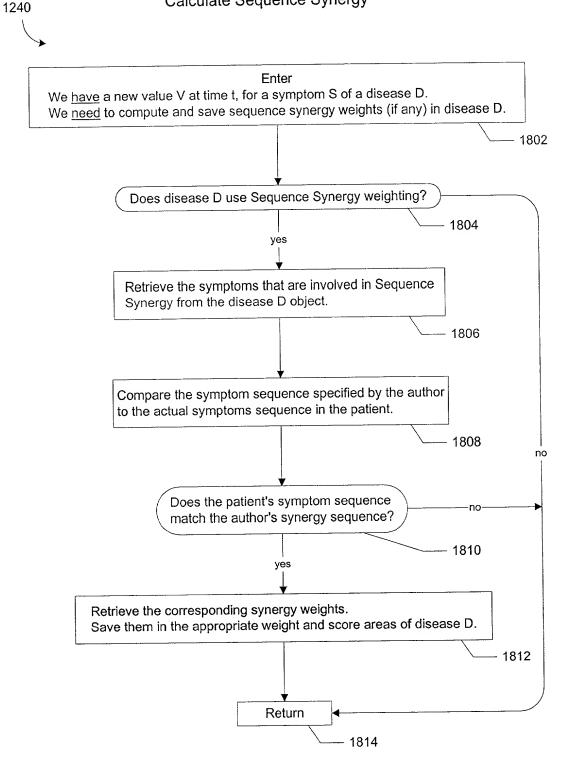


FIG. 18

1250

#### Calculate Simultaneous Synergy

Enter We have a new value V at time t, for a symptom S of a disease D. We <u>need</u> to compute and save new simultaneous synergy weights (if any) in disease D. - 1902 no Does disease D use Simultaneous Synergy weighting? 1904 yes Retrieve those symptoms that are involved in simultaneous synergy from the disease D object. 1906 Does the patient's simultaneous symptom set match the author's set? 1908 yes Retrieve the corresponding synergy weights and save them in the appropriate weight and score areas of disease D. - 1910 1912 -Return

FIG. 19

#### Calculate Timeline Profile Synergy



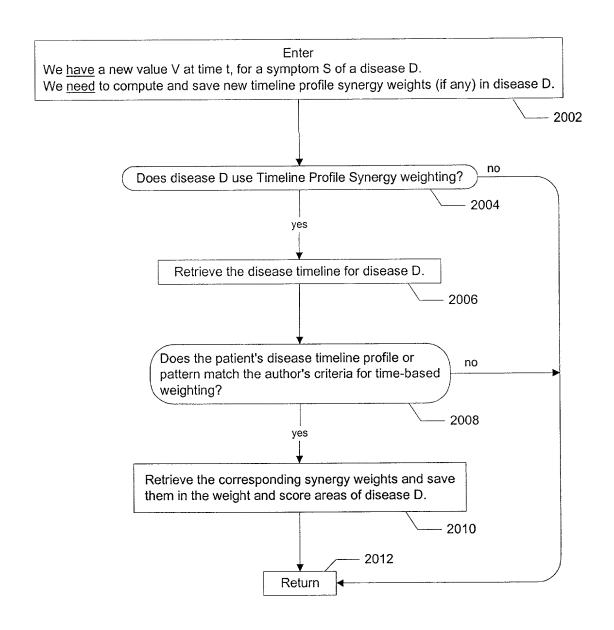


FIG. 20



#### Update and Record

We <u>have</u> established new weights for all diseases that use the Current Symptom CS. We <u>need</u> to update the diagnostic score and momentum of these diseases, and prepare for another iteration of the diagnostic loop.

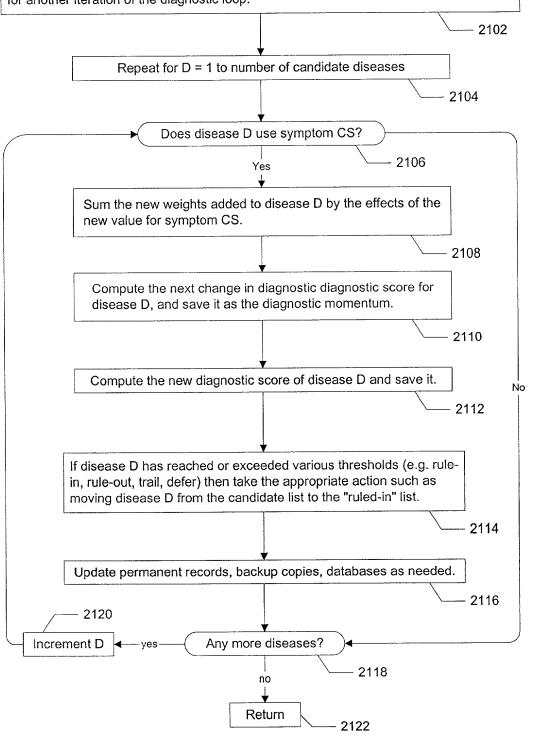


FIG. 21

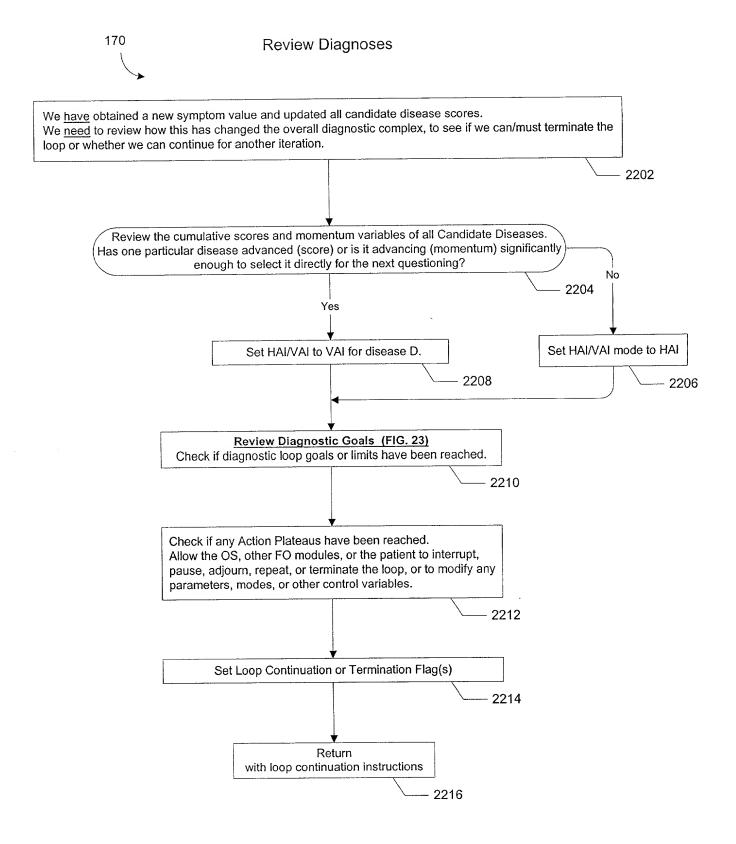


FIG. 22

# 2210 Check Goals & Limits

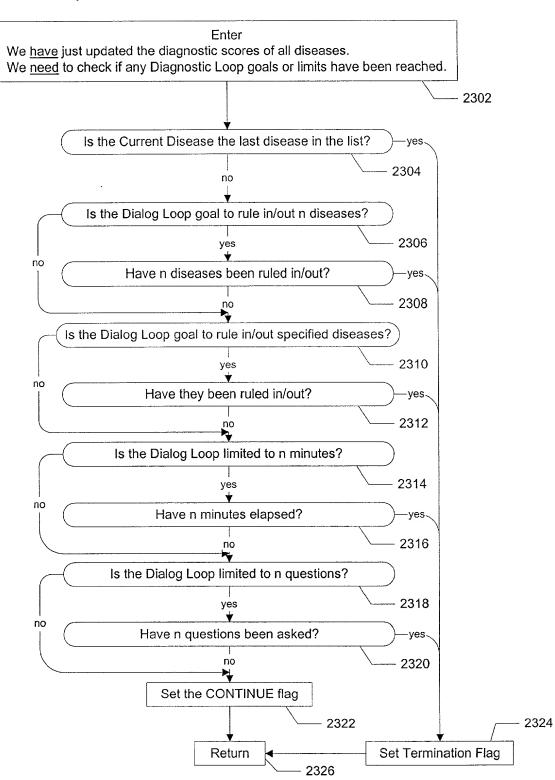


FIG. 23

# Shut Down Diagnostic Loop

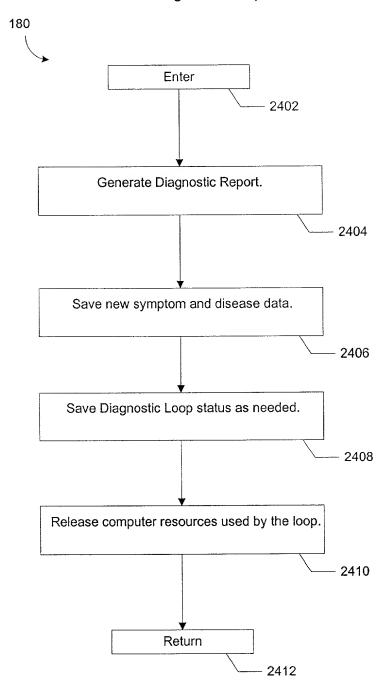
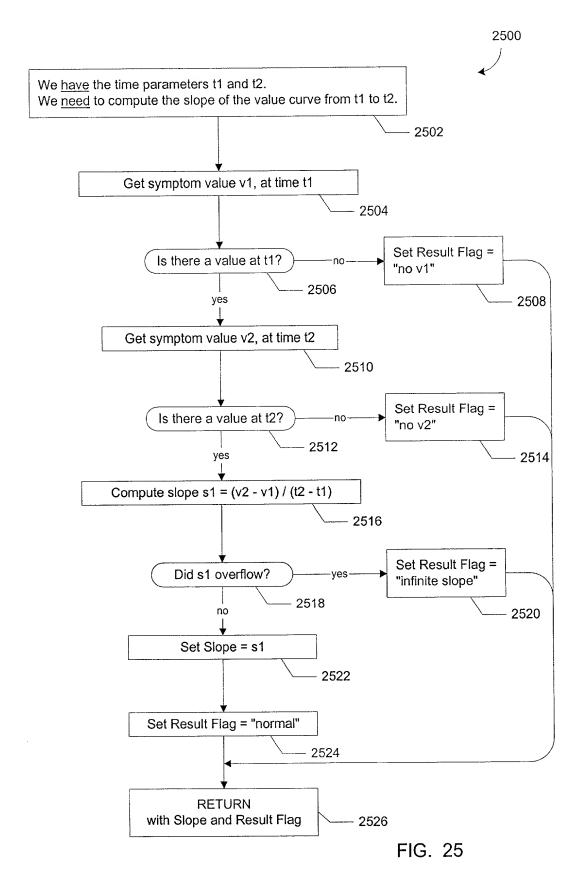


FIG. 24

# Symptom Object - SLOPE Method



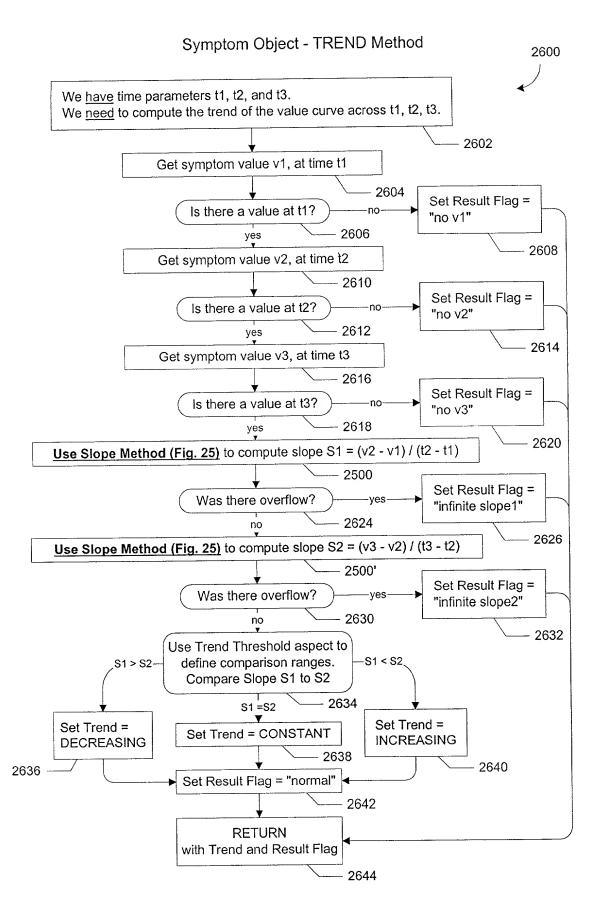


FIG. 26

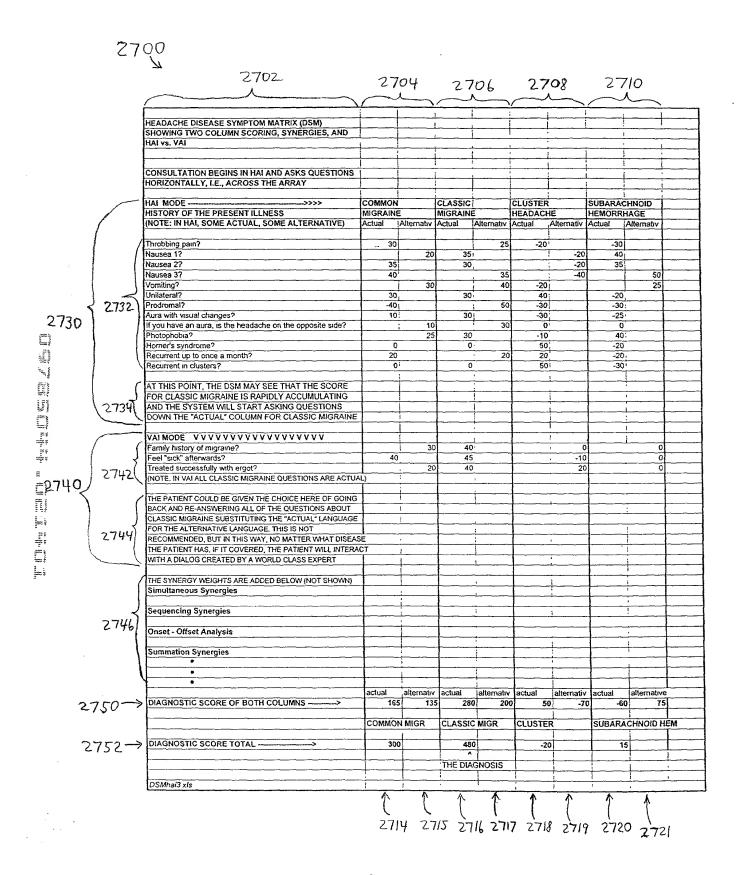


FIG. 27

Z8007

This page demonstrates a type of question that lets the patient specify visually when a given set of symptoms occurred. The indicated Onset/Offset times are captured and used to adjust the diagnostic scores.

Time (hours) after First Significant Symptom

2810->	0	1	2	3 ·	4	5	6	7	8	9	10			
7812-	AN	IOR	EXL	A]										
2814 —			AUS	SEA	]	X 7 K T	,	~-						
2816 -				EPI	<u> </u>	ΑίΝ	ΔIN	T						
2818					L) 7)	שני	CZITZ.	4				 	 	
	Ō	1	2	3	4	5	6	7	8	9	10			

Use the mouse to slide symptoms left and right to indicate when they occurred



FIG. 28

#### USING OBJECTS FOR DIAGNOSIS

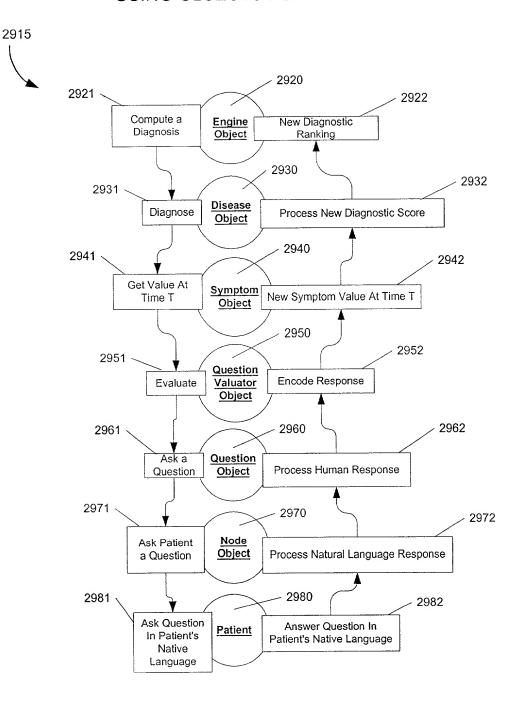
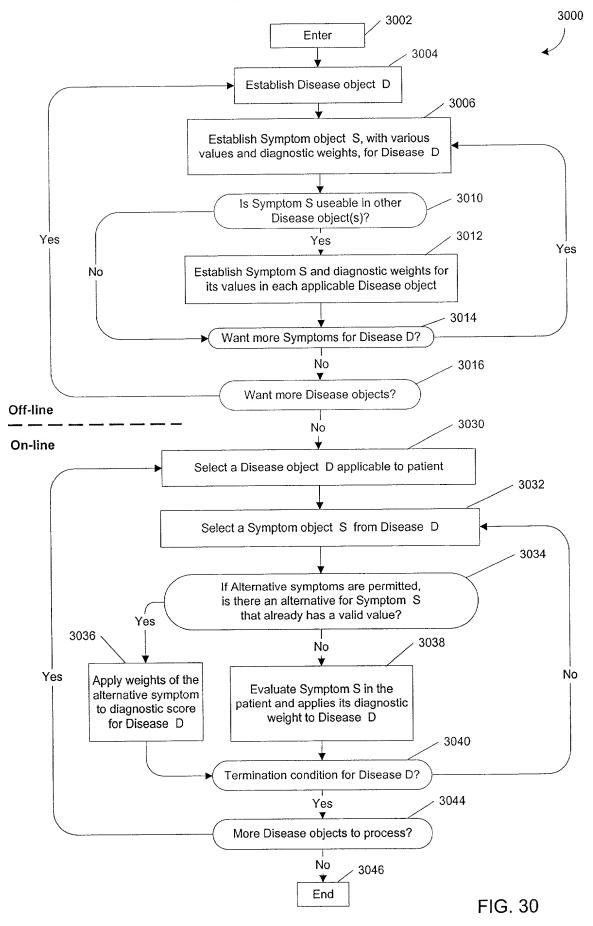


FIG. 29b

#### ALTERNATIVE SYMPTOM WEIGHTS



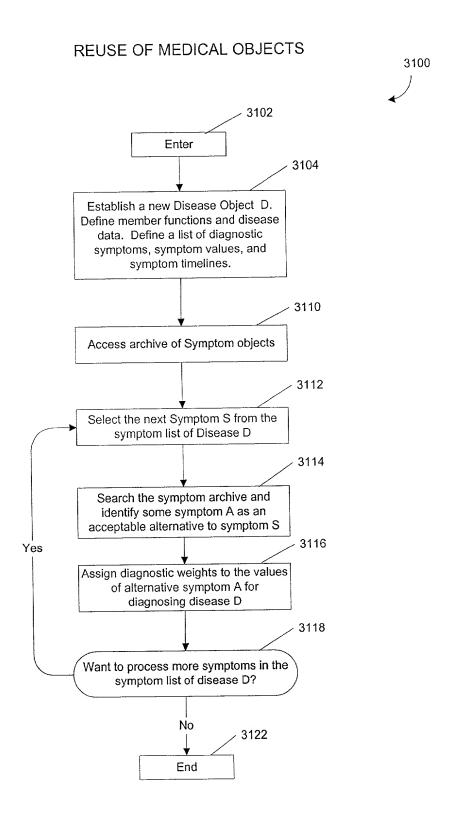


FIG. 31

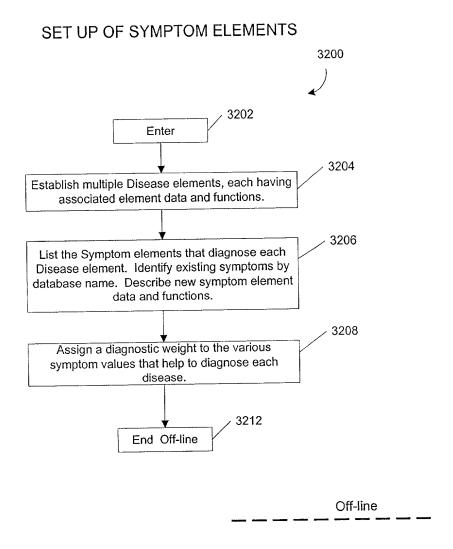


FIG. 32a

FIG. 32b

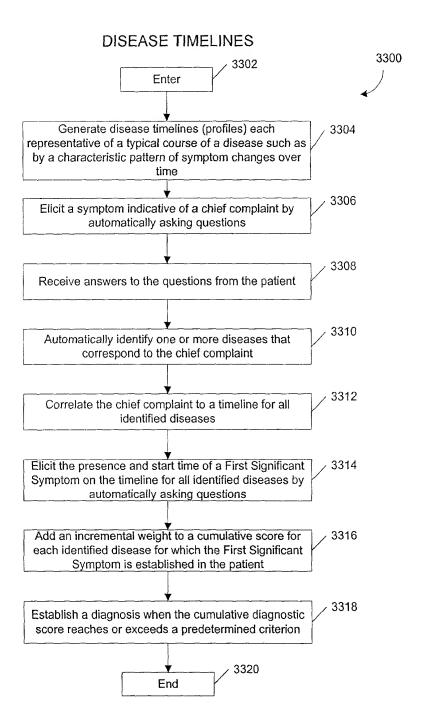


FIG. 33

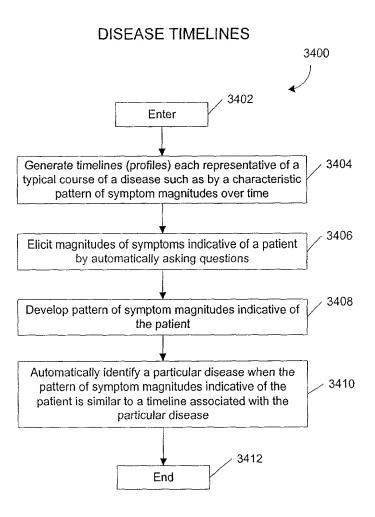


FIG. 34

